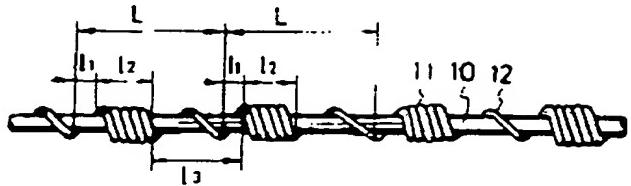


# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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 PUBLICATION DATE : 18-06-83

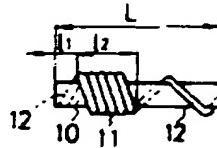


APPLICATION DATE : 15-12-81  
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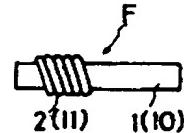
APPLICANT : TOSHIBA CORP;

INVENTOR : MORI YASUKI;

INT.CL. : H01J 9/00



TITLE : MANUFACTURING METHOD OF  
 ELECTRODE FOR COMPACT METAL  
 VAPOR DISCHARGE LAMP



**ABSTRACT :** PURPOSE: To prevent the generation of cracks in a sealed section, stabilize the quality of the captioned electrode, and facilitate its handling by alternately and continuously winding both fine and coarse winding sections forming a coil, and after, cutting the coil section in a preset length at the coarse winding section, fusing and burring a core end that is sealed at the sealed section.

CONSTITUTION: A core 10 forming an electrode shaft 1 is composed of for example, W wires of 0.18mm in diameter or the like. A coil strand 11 consisting of W wires of 0.10mm in diameter, that is, the fine winding section 11 forming an electrode coil section 2 and a coarse winding section 12 that is more coarsely wound than this fine winding section are continuously and alternately wound around said core 10. The coil section is cut in a preset length at this coarse section and the coarse winding section 12 left on the external surface of the core 10 is removed using nippers (pliers) and then a burr is removed by flame-spraying an end that is connected to a metal foil conductor thermally or chemically, for instance, by means of laser, plasma, or the like. As a result, the quality of the captioned electrode can be stabilized and the generation of the cracks in the sealed section can be prevented.

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